

**Draft summary of the Engineering and Operations Work Group Meeting
Oroville Facilities Relicensing (FERC Project No. 2100)
April 26, 2002**

The Department of Water Resources (DWR) hosted the Engineering and Operations Work Group on April 26, 2002 via videoconference and conference call.

A summary of the discussion, decisions made, and action items is provided below. This summary is not intended to be a transcript, analysis of the meeting, or to indicate agreement or disagreement with any of the items summarized, except where expressly stated. The intent is to present an informational summary for interested parties who could not attend the meeting.

Attachment 1 Meeting Agenda
Attachment 2 Meeting Attendees
Attachment 3 Draft Operations Modeling Protocols

Introduction

Attendees were welcomed to the Engineering and Operations Work Group meeting. The meeting objectives and action items were discussed. The meeting agenda and list of meeting attendees and their affiliations are appended to this summary as Attachments 1 and 2, respectively.

March 1, 2002 Meeting Summary and Action Items

A summary of the March 1, 2002 Engineering and Operations Work Group is posted on the relicensing web site. The Facilitator reviewed the status of action items from that meeting as follows:

Action Item #EO41:	Post CALSIM II PowerPoint presentation on relicensing web site.
Status:	This presentation is now available on the relicensing web site.
Action Item #EO42:	Form a joint Task Force with the Environmental Work Group.
Status:	A Joint Engineering and Operations/Environmental Task Force has held a few meetings to review the Environmental Work Group's specific modeling needs. The next meeting is May 6, 2002 from 1:00 p.m. to 5:00 p.m. to discuss F10, W6, and T3/5.
Action Item #EO43:	Create an E&O Operations Modeling Protocol.
Status:	This is on the agenda for today to be discussed further.
Action Item #EO44:	Consider having regular meetings with the RAMS to check in on modeling needs and status.
Status:	The joint Task Force is an example of the coordination that can be arranged as necessary. The RAMS currently meet twice a month and discuss their respective activities and coordination needs.
Action Item #EO45:	Check with Bill Mendenhall on Butte County GIS coordination.
Status:	Bill Mendenhall did a presentation at the Land Use, Land Management and Aesthetics Work Group meeting this week and a similar one at the Plenary Group meeting discussing data management protocol. The presentation will be attached to the Plenary Group's meeting summary that will be posted on the relicensing web site.
Action Item #EO46:	Check with Butte County regarding their watershed issue.
Status:	Ed Craddock and Curtis Creel are setting up a meeting to discuss but it has been a challenge getting everyone together at the same time. The current goal is to set up a meeting in mid May.

Operations Modeling Protocols

Curtis Creel explained that the draft Operations Modeling Protocols discuss the implementation of models being developed under the E1 Study Plan series. (Please note: The agenda lists this discussion item as the Model Run Prioritization Protocol; this summary refers to it as the Operations Modeling Protocol.) The draft Operations Modeling Protocols is appended to this summary as Attachment 3. The draft Operations Modeling Protocols outlines the procedures for running and prioritizing models. Curtis explained that the Engineering and Operations' Modeling Task Force developed the draft Operations Modeling Protocols and distributed it to the Engineering and Operations Work Group on April 17, 2002 via e-mail. He also described the modeling Task Force initiated by the Plenary Group that will assist in developing the Modeling Review Protocols for the collaborative process. The Operations Modeling Protocols is a subset of the larger Modeling Review Protocols.

Curtis summarized the draft Operations Modeling Protocols and pointed out the major points. He described the major steps of the draft Operations Modeling Protocols, including the role of the Modeling Coordinator. The Modeling Coordinator will be responsible for coordinating and scheduling model runs, coordinating across Studies for consistency and efficiency, and defining the output for Work Group studies, etc. The second step is to define a modeling plan; Curtis explained that defining a modeling plan is occurring in parallel with developing modeling requests. The modeling team will meet with the appropriate Work Group participants, review the analyses and information needed for the Studies, and seek opportunities to combine model run requests. This step acknowledges the need to identify and address human resource issues. The next step is to work with the Modeling Coordinator to approve and prioritize the modeling Studies. Finally, the draft Operations Modeling Protocols addresses the conflict resolution process.

A participant asked who would approve the modeling runs to determine which ones are ultimately run. It was explained that the RAMS and the Modeling Coordinator would make the model run decisions; the group agreed with this approach. Don Marquez asked who would be the Modeling Coordinator; it was stated that DWR assigned the responsibility of Modeling Coordinator to Curtis.

Curtis explained that the next step is to take the draft Operations Modeling Protocols to the Plenary Modeling Review Protocol Task Force for review and incorporation in their overall modeling protocols. Curtis reported they will be meeting on Wednesday, May 1, 2002, to discuss the entire set of protocols. If the Plenary Task Force approves the language of the draft Operations Modeling Protocols, the Task Force may be prepared to present all of the protocols to the Plenary Group at its May meeting. The Engineering and Operations Work Group agreed that the draft Operations Modeling Protocols is ready for submittal to the Plenary Group for incorporation in the Modeling Review Protocols.

Revisions to Study Plans E1.3, E1.4, and E8 to include Pumpback Operation Information

Curtis explained that he incorporated some language in the Study Plans to explain how pumpback is used at the Oroville Facilities in response to a request from a Plenary Group participant. Curtis provided some upfront information to the Plenary Group regarding Pumpback Operations and asked the Facilitator to distribute the revised Study Plans to the Engineering and Operations Work Group. He asked that the participants take a look at the changes.

Next Steps

Curtis asked Work Group participants to reserve May 24, 2002 for a conference call to discuss the outcome of the next Plenary Group meeting and determine whether any assignments need to be considered by the Engineering and Operations Work Group. Curtis and Bill Smith will also update everyone on the Joint Environmental/Engineering & Operations Task Force meetings.

Next Meeting

The Engineering and Operations Work Group agreed to hold another conference call Work Group meeting:

Date: May 24, 2002

Time: 10:30 a.m. – 12:30 p.m.

Location: Oroville Field Division, Oroville and Joint Operations Center or via conference call

Agreements Made

The group agreed with DWR's approach of utilizing the Modeling Coordinator and the RAMs to make model run decisions.

Action Items

Action Item EO# Distribute revised study plans SP-E1.3, SP-E1.4 and SP-E8.

Responsible: DWR/consulting team

Due Date: May 24, 2002

**Department of Water Resources
Oroville Facilities Relicensing
Engineering and Operations Work Group
Proposed Agenda**

April 26, 2002

10:30 a.m. – 12:30 p.m.
Oroville Field Division
460 Glen Drive
Oroville, California

AND

Joint Operations Center
3310 El Camino
Sacramento, California

Desired Outcomes

- *Update on Action Items*
- *Review and Recommend Model Run Prioritization Protocol*
- *Review and Approve Revised Study Plans, E1.3, E1.4 and E8*
- *Next Steps*

- I. Welcome and Introductions
- II. March 1, 2002 Meeting Summary and Action Items
- III. Model Run Prioritization Protocol
- IV. Revision to Study Plans E1.3, E1.4, and E8 to
Include Pumpback Operation Information
- V. Next Steps

**Engineering and Operations Work Group Meeting Attendees
Oroville Facilities Relicensing (FERC Project No. 2100)**

Lori Brown	Department of Water Resources
Rashid Ahmad	Department of Water Resources
D.C. Jones	Resident
Craig Jones	State Water Contractors
Ken Kules	Metropolitan Water District
Ed Craddock	Butte County
Bill Smith	Harza/EDAW Team
Curtis Creel	Department of Water Resources
Robert Hughes	California Department of Fish and Game
Don Marquez	Kern County Water Agency
Mike Meinz	Department of Fish and Game
Kathy Peterson	OWID
Jill Miller	Harza/EDAW Team
Patti Kroen	Facilitator